ABSTRACT

A riveting tool for heading rivets includes a riveter die and strike rod which, in use, engages the portion of the rivet shaft which projects beyond the components to head the rivet and produce the formed rivet head. The riveter die includes a head cavity open to a forward end thereof and which has a cavity profile which generally corresponds to a desired geometry of the formed rivet head to be produced. A bore extends longitudinally through the riveter die and opens into a rearward portion of the head cavity. The riveter die bore has a lateral cross-sectional profile corresponding to that of the rivet shaft. The strike rod comprises a longitudinally extending rod which has a lateral cross-sectional shape generally corresponding to that of the rivet shaft. The strike rod is slidably disposed within the riveter die bore so as to be selectively movable relative to the riveter die into engagement with the distal end of the rivet in heading operations. The riveter die is slidable in the axial direction within a support sleeve, so as to enable its rearward movement relative to the strike rod as the strike rod is brought into engagement with the distal end of the rivet shaft.